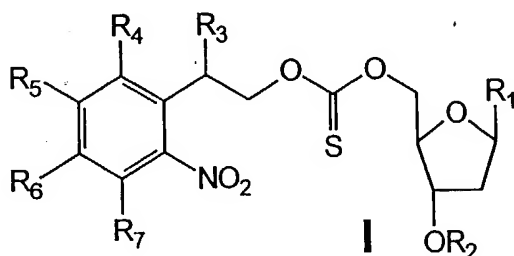


### Amendments to the Claims:

The listing of claims below will replace all prior versions and listings of claims in the application:

#### Listing of Claims:

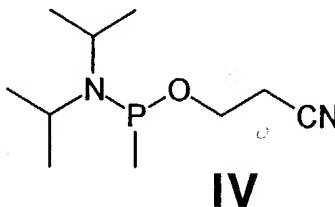
1. (Original) Nucleoside derivatives, of the general formula I,



wherein

R<sub>1</sub> represents a nucleobase or a nucleobase provided with at least one protective group,

R<sub>2</sub> indicates an H atom or a diisopropylamino-(2-cyanoethoxy)phosphinyl group of the formula IV



R<sub>3</sub> is an H atom or an alkyl residue with up to 4 C atoms,

R<sub>4</sub> represents an H atom, a nitro group or an alkyl residue with up to 4 C atoms,

R<sub>5</sub> and R<sub>6</sub>, independently of one another, represent an H atom, an alkyl residue with up to 4 C atoms, or an alkoxy residue with up to 4 C atoms or together represent a methylenedioxy group,

R<sub>7</sub> is an H atom or an alkyl residue with up to 4 C atoms.

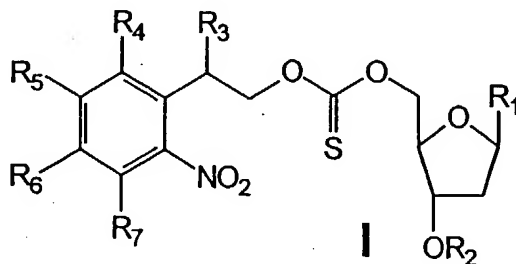
2. (Original) The nucleoside derivatives according to claim 1, further characterized in that  $R_1$  is adenine, cytosine, guanine, thymine, uracil or hypoxanthine, which optionally bear a protective group.

3. (Previously presented) The nucleoside derivatives according to claim 1, further characterized in that  $R_3$  is an H atom, a methyl or an ethyl group.

4. (Previously presented) The nucleoside derivatives according to claim 1, further characterized in that  $R_4$  is an H atom, a nitro group or a methyl group.

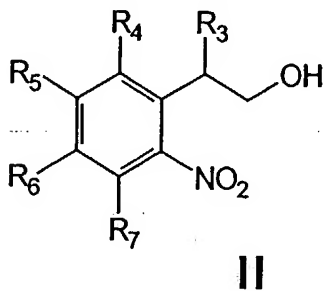
5. (Original) The nucleoside derivatives according to one of the preceding claims, further characterized in that  $R_5$  and  $R_6$ , independently of one another, represent an H atom, or a methyl, ethyl, methoxy or ethoxy group or together form a methylenedioxy group.

6. (Currently amended) A method for the production of a nucleoside derivative of the general formula I

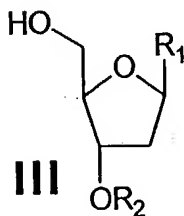


wherein the residues  $R_1$ ,  $R_2$ ,  $R_3$ ,  $R_4$ ,  $R_5$ ,  $R_6$  and  $R_7$  have the meaning given in claim 1,

wherein a compound of the general formula II, which is known in and of itself



wherein the residues  $R_3$ ,  $R_4$ ,  $R_5$ ,  $R_6$  and  $R_7$  as well as  $n$  [sic] have the meaning indicated in claim 1, is reacted with thiophosgene and the thus-obtained thiocarbonyl chlorides are reacted with a compound of the general formula III



wherein the residues  $R_1$  and  $R_2$  have the meaning indicated in claim 1.

7. (Currently amended) Use of A method of synthesizing an oligonucleotide comprising loading the nucleoside derivatives according to claim 1 for the automatic synthesis of oligonucleotides into at least one of an automatic oligonucleotide synthesizer and a pipetting robot and then operating said automatic oligonucleotide synthesizer and/or pipetting robot to synthesize an oligonucleotide using said nucleoside derivatives.

8. (Currently amended) A kit for the automatic synthesis of oligonucleotides comprising at least one nucleoside derivative according to claim 1, optionally together with other nucleoside derivatives according to claim 1 and suitable reagents, and adjuvants, as well as solvents and operating instructions for the automatic synthesis of oligonucleotides.